

## Table J2. - Chemical Properties of the Soils

Lyon County Area, Nevada

Absence of an entry indicates that data were not estimated.

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
101:								
Ackley	0-10	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	10-34	14-21	---	6.1 - 7.3	0	0	0.0	0
	34-60	6.0-12	---	6.6 - 9.0	0-5	0	0.0-4.0	0
102:								
Ackley	0-10	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	10-34	14-21	---	6.1 - 7.3	0	0	0.0	0
	34-60	6.0-12	---	6.6 - 9.0	0-5	0	0.0-4.0	0
103:								
Ackley	0-10	3.0-10	---	6.1 - 7.3	0	0	0.0	0
	10-34	14-21	---	6.1 - 7.3	0	0	0.0	0
	34-60	6.0-12	---	6.6 - 9.0	0-5	0	0.0-4.0	0
Ackley Variant	0-7	1.0-5.0	---	7.4 - 8.4	0	0	4.0-8.0	1-5
	7-25	15-20	---	7.4 - 8.4	1-5	1-10	4.0-8.0	5-13
	25-60	---	---	---	---	60-80	---	---
121:								
Appian	0-8	1.0-5.0	---	7.9 - 9.0	1-5	0	0.0-4.0	5-12
	8-18	16-22	---	8.5 - 9.6	5-10	1-2	0.0-8.0	31-90
	18-60	0.0-5.0	---	7.4 - 9.6	0	0	0.0-2.0	0-5
122:								
Appian	0-8	9.0-13	---	7.9 - 9.0	1-5	0	0.0-4.0	5-12
	8-18	16-22	---	8.5 - 9.6	5-10	1-2	0.0-8.0	31-90
	18-60	0.0-5.0	---	7.4 - 9.6	0	0	0.0-2.0	0-5
123:								
Appian	0-8	1.0-5.0	---	7.9 - 9.0	1-5	0	0.0-4.0	5-12
	8-18	16-22	---	8.5 - 9.6	5-10	1-2	0.0-8.0	31-90
	18-60	0.0-5.0	---	7.4 - 9.6	0	0	0.0-2.0	0-5
Wabuska	0-9	11-16	---	8.5 - 9.0	0-1	0	2.0-4.0	30-80
	9-60	7.0-14	---	7.9 - 9.0	0-2	0	2.0-8.0	5-50
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
124:								
Appian	0-8	1.0-5.0	---	7.9 - 9.0	1-5	0	0.0-4.0	5-12
	8-18	16-22	---	8.5 - 9.6	5-10	1-2	0.0-8.0	31-90
	18-60	0.0-5.0	---	7.4 - 9.6	0	0	0.0-2.0	0-5

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
124:								
Delp	0-1	1.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	1-60	4.0-12	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
	60-64	3.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
141:								
Bango	0-2	4.0-9.0	---	7.9 - 9.0	0	0	4.0-8.0	10-13
	2-13	14-22	---	7.9 - 9.0	0-5	0	4.0-8.0	10-30
	13-50	13-22	---	7.9 - 9.0	0-5	0-1	4.0-8.0	13-45
	50-60	0.0-3.0	---	7.4 - 9.0	0-2	0-1	4.0-8.0	5-30
142:								
Bango	0-2	0.0-4.0	---	7.4 - 8.4	0-1	0	4.0-8.0	5-12
	2-13	14-22	---	7.9 - 9.0	0-5	0	4.0-8.0	10-30
	13-60	11-22	---	7.9 - 9.0	0-5	0-1	4.0-8.0	13-30
151:								
Bluewing Variant	0-3	29-43	---	6.6 - 8.4	0-2	0-2	0.0-4.0	0-5
	3-60	28-43	---	6.6 - 8.4	0-2	0-2	0.0-4.0	0-5
161:								
Bluewing	0-3	2.0-8.0	---	7.4 - 9.0	0-2	0	0.0-2.0	0-5
	3-60	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
162:								
Bluewing	0-5	2.0-8.0	---	7.4 - 9.0	0-5	0	0.0-2.0	1-5
	5-60	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
171:								
Cagle	0-4	25-35	---	6.1 - 7.8	0	0	0.0	0
	4-12	30-45	---	6.1 - 7.8	0	0	0.0	0
	12-28	30-45	---	6.1 - 7.8	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Nosrac	0-2	25-30	---	6.1 - 7.3	0	0	0.0	0
	2-9	18-25	---	6.1 - 7.3	0	0	0.0	0
	9-18	20-30	---	6.1 - 7.3	0	0	0.0	0
	18-60	15-25	---	6.1 - 7.3	0	0	0.0	0
181:								
Charlebois	0-8	13-22	---	6.6 - 7.8	0	0	0.0	0
	8-19	20-27	---	6.6 - 7.8	0	0	0.0	0
	19-60	11-16	---	7.9 - 9.0	0-3	0	0.0-2.0	1-12
Voltaire	0-20	20-30	---	7.9 - 9.6	1-5	0	16.0-32.0	46-90
	20-60	20-30	---	7.9 - 9.0	1-5	0	4.0-8.0	13-30
Charlebois, Wet	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
182:								
Charlebois	0-8	13-22	---	6.6 - 7.8	0	0	0.0	0
	8-19	20-27	---	6.6 - 7.8	0	0	0.0	0
	19-60	11-16	---	7.9 - 9.0	0-3	0	0.0-2.0	1-12
184:								
Charlebois	0-8	13-22	---	6.6 - 7.8	0	0	0.0	0
	8-19	20-27	---	6.6 - 7.8	0	0	0.0	0
	19-60	11-16	---	7.9 - 9.0	0-3	0	0.0-2.0	1-12
185:								
Charlebois	0-8	6.0-15	---	6.6 - 7.8	0	0	0.0	0
	8-19	20-27	---	6.6 - 7.8	0	0	0.0	0
	19-60	11-16	---	7.9 - 9.0	0-3	0	0.0-2.0	1-12
191:								
Chill	0-3	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	3-7	19-27	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Chill	0-3	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	3-7	19-27	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
201:								
Cleaver	0-6	1.0-4.0	---	6.6 - 8.4	0-2	0	0.0-2.0	1-5
	6-14	19-26	---	6.6 - 8.4	0-2	0	0.0-2.0	1-12
	14-40	---	---	---	---	---	---	---
202:								
Cleaver	0-3	4.0-9.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	3-11	18-25	---	6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---
	46-60	4.0-8.0	---	6.6 - 9.0	5-10	0	0.0-2.0	5-30
204:								
Cleaver	0-3	4.0-9.0	---	6.6 - 9.0	0-2	0	0.0-2.0	1-12
	3-11	18-26	---	6.6 - 8.4	0-2	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---
206:								
Cleaver	0-3	7.0-15	---	6.6 - 9.0	0-2	0	0.0-2.0	1-12
	3-11	18-26	---	6.6 - 8.4	0-2	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---
207:								
Cleaver	0-3	7.0-15	---	6.6 - 9.0	0-2	0	0.0-2.0	1-12
	3-11	18-26	---	6.6 - 8.4	0-2	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
207:								
208:								
Cleaver	0-3	4.0-9.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	3-11	18-25	---	6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---
	46-60	4.0-8.0	---	6.6 - 9.0	5-10	0	0.0-2.0	5-30
Cleaver	0-3	4.0-9.0	---	6.6 - 9.0	0-2	0	0.0-2.0	1-12
	3-11	18-26	---	6.6 - 8.4	0-2	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---
209:								
Cleaver	0-3	4.0-9.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	3-11	18-25	---	6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---
	46-60	4.0-8.0	---	6.6 - 9.0	5-10	0	0.0-2.0	5-30
Cleaver	0-3	4.0-9.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	3-11	18-25	---	6.6 - 8.4	0	0	0.0-2.0	1-12
	11-46	---	---	---	---	---	---	---
	46-60	4.0-8.0	---	6.6 - 9.0	5-10	0	0.0-2.0	5-30
214:								
Cleaver	0-4	5.0-15	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	4-12	18-25	---	6.6 - 8.4	0	0	0.0-2.0	1-12
	12-60	---	---	---	---	---	---	---
Bluewing	0-7	2.0-8.0	---	7.4 - 9.0	0-2	0	0.0-2.0	0-5
	7-60	2.0-8.0	---	7.4 - 9.0	1-5	0	0.0-4.0	1-12
Trocken	0-3	5.0-12	---	8.5 - 9.6	1-5	0	0.0-2.0	1-12
	3-60	5.0-12	---	7.9 - 9.6	1-5	0-1	2.0-4.0	5-12
221:								
Dalzell	0-3	2.0-8.0	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	3-21	15-25	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	21-28	---	---	---	---	---	---	---
	28-60	3.0-10	---	8.5 - 9.6	1-5	0	2.0-8.0	1-12
223:								
Dalzell	0-3	25-30	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	3-21	15-25	---	8.5 - 9.6	1-5	0	4.0-8.0	13-30
	21-28	---	---	---	---	---	---	---
	28-60	3.0-10	---	8.5 - 9.6	1-5	0	2.0-8.0	1-12
231:								

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
231:								
Delp	0-5	1.0-7.0	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	5-19	4.0-12	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
	19-60	3.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
Lox	0-3	4.0-9.0	---	7.9 - 9.0	0-5	0	4.0-8.0	13-30
	3-8	17-26	---	8.5 - 9.0	0-5	0	2.0-16.0	13-45
	8-60	4.0-12	---	8.5 - 9.0	0-5	0	2.0-8.0	13-45
232:								
Delp	0-5	1.0-5.0	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	5-19	4.0-12	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
	19-60	3.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
Orizaba	0-3	14-19	---	9.1 - 9.6	1-5	0	4.0-8.0	15-40
	3-60	18-26	---	8.5 - 9.6	1-5	0	4.0-16.0	15-40
233:								
Delp	0-5	1.0-7.0	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	5-19	4.0-12	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
	19-60	3.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
241:								
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-13	32-48	---	6.1 - 7.8	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
242:								
Devada	0-5	20-30	---	6.1 - 7.8	0	0	0.0	0
	5-18	32-48	---	6.1 - 7.8	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
243:								
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-5	20-30	---	6.1 - 7.3	0	0	0.0	0
	5-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Devada	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-5	20-30	---	6.1 - 7.3	0	0	0.0	0
	5-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---

# Table J2. - Chemical Properties of the Soils - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
243:								
Koontz, EXTREMELY STONY	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-5	10-25	---	6.6 - 7.8	0	0	0.0	0
	5-12	15-30	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
244:								
Devada	0-4	20-30	---	6.1 - 7.3	0	0	0.0	0
	4-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
Koontz	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-14	15-30	---	6.6 - 8.4	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
251:								
Dia	0-20	13-24	---	6.6 - 7.8	0	0	0.0	0-5
	20-24	14-20	---	6.6 - 7.8	0	0	0.0	0-5
	24-60	0.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
252:								
Dia	0-9	21-31	---	6.6 - 7.8	0	0	0.0	0-5
	9-24	14-20	---	6.6 - 7.8	0	0	0.0	0-5
	24-60	0.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
253:								
Dia	0-9	23-36	---	6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24	---	6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0-5
254:								
Dia	0-9	23-36	---	6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24	---	6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0-5
Dithod	0-11	24-31	---	7.4 - 9.0	0	0	2.0-4.0	1-12
	11-60	13-20	---	7.4 - 8.4	0-1	0	0.0-4.0	1-12
Dithod	0-11	15-24	---	7.4 - 8.4	0	0	8.0-32.0	13-30
	11-60	13-21	---	7.4 - 8.4	0-1	0	0.0-4.0	1-12
255:								
Dia	0-19	13-24	---	6.6 - 7.8	0	0	0.0	0
	19-24	14-20	---	6.6 - 7.8	0	0	0.0	0
	24-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0-2.0	0
Dithod	0-11	21-34	---	7.4 - 8.4	0	0	0.0-4.0	5-12
	11-20	15-22	---	7.4 - 8.4	0	0	0.0-2.0	1-12
	20-60	14-22	---	7.4 - 8.4	0-1	0	0.0-2.0	1-12

## Table J2. - Chemical Properties of the Soils - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
255:								
256:								
Dia	0-19	13-24	---	6.6 - 7.8	0	0	0.0	0
	19-24	14-20	---	6.6 - 7.8	0	0	0.0	0
	24-60	0.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
Sagouspe	0-16	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0-5
	16-60	1.0-5.0	---	7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
Sagouspe	0-16	1.0-5.0	---	6.6 - 8.4	1-5	0	0.0-2.0	0
	16-60	1.0-5.0	---	7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
261:								
Dithod	0-11	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	11-20	10-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	20-60	15-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	60-64	1.0-5.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
262:								
Dithod	0-11	13-21	---	6.6 - 9.0	0	0	0.0-4.0	0-5
	11-40	13-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	40-60	19-30	---	6.6 - 8.4	0	0	0.0-2.0	0-5
Dia, WET	0-9	23-36	---	6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24	---	6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25	---	6.6 - 7.3	0	0	0.0	0
	26-38	13-20	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0	---	6.6 - 7.3	0	0	0.0	0
263:								
Dithod	0-11	24-31	---	7.4 - 9.0	0	0	2.0-4.0	1-12
	11-60	13-20	---	7.4 - 8.4	0-1	0	0.0-4.0	1-12
Dia, WET	0-9	23-36	---	6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24	---	6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25	---	6.6 - 7.3	0	0	0.0	0
	26-38	13-20	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0	---	6.6 - 7.3	0	0	0.0	0
264:								
Dithod	0-11	15-24	---	7.4 - 8.4	0	0	16.0-32.0	13-30
	11-60	13-21	---	7.4 - 8.4	0-1	0	0.0-4.0	1-12

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
264:								
Dia, WET	0-9	23-36	---	6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24	---	6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25	---	6.6 - 7.3	0	0	0.0	0
	26-38	13-20	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0	---	6.6 - 7.3	0	0	0.0	0
265:								
Dithod	0-11	25-35	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	11-20	10-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	20-60	15-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	60-64	1.0-5.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
268:								
Dithod	0-11	24-31	---	7.4 - 9.0	0	0	16.0-32.0	13-30
	11-60	13-21	---	7.4 - 8.4	0-1	0	0.0-4.0	1-12
Dia, WET	0-9	23-36	---	6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24	---	6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0-5
269:								
Dia	0-5	13-24	---	6.6 - 7.8	0	0	0.0	0-5
	5-29	14-20	---	6.6 - 7.8	0	0	0.0	0-5
	29-60	0.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
Dithod	0-11	15-25	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	11-20	10-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	20-60	15-20	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	60-64	1.0-5.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
Sagouspe	0-16	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0
	16-60	1.0-5.0	---	7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
271:								
East Fork	0-14	16-23	---	6.6 - 7.3	0	0	0.0	0
	14-60	18-27	---	6.6 - 8.4	0-5	0	0.0-2.0	1-5
272:								
East Fork	0-14	16-25	---	6.6 - 9.0	0	0	0.0-4.0	0-12
	14-60	18-27	---	6.6 - 8.4	0-1	0	0.0-2.0	1-5
	60-64	18-27	---	6.6 - 8.4	0-5	0	0.0-2.0	1-5
274:								
East Fork	0-14	21-29	---	6.6 - 7.3	0	0	0.0	0
	14-60	18-27	---	6.6 - 8.4	0-5	0	0.0-2.0	1-5



**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
275:								
East Fork	0-14	21-31	---	7.9 - 9.0	0	0	16.0-32.0	13-45
	14-60	14-23	---	7.4 - 8.4	0-2	0	0.0-4.0	5-30
276:								
East Fork	0-8	21-29	---	7.4 - 8.4	0	0	0.0-2.0	0
	8-40	18-27	---	7.4 - 8.4	0-1	0	0.0-2.0	1-5
	40-60	25-34	---	7.4 - 8.4	0-5	0	0.0-2.0	1-5
277:								
East Fork	0-14	21-29	---	6.6 - 7.3	0	0	0.0	0
	14-60	18-27	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
287:								
Erastra, EXTREMELY STONY	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-7	15-25	---	6.1 - 7.3	0	0	0.0	0
	7-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-14	15-25	---	6.1 - 7.3	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
Eaglerock, VERY STONY	0-2	15-25	---	6.1 - 7.3	0	0	0.0	0
	2-5	10-20	---	6.1 - 7.3	0	0	0.0	0
	5-31	15-30	---	6.1 - 7.3	0	0	0.0	0
	31-60	---	---	---	---	---	---	---
Erastra, EXTREMELY STONY	0-3	10-20	---	6.1 - 7.3	0	0	0.0	0
	3-7	15-25	---	6.1 - 7.3	0	0	0.0	0
	7-11	15-25	---	6.1 - 7.3	0	0	0.0	0
	11-14	15-25	---	6.1 - 7.3	0	0	0.0	0
	14-24	---	---	---	---	---	---	---
291:								
Fallon	0-10	1.0-6.0	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	10-60	4.0-13	---	6.6 - 8.4	1-5	0	0.0-2.0	0-12
292:								
Fallon	0-10	5.0-13	---	6.6 - 9.0	0-5	0	4.0-8.0	1-12
	10-60	4.0-13	---	6.6 - 8.4	1-5	0	0.0-2.0	0-12
293:								
Fallon	0-10	5.0-13	---	6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13	---	6.6 - 8.4	0-5	0	0.0-2.0	5-12
294:								
Fallon	0-10	5.0-13	---	7.9 - 9.6	0-1	0	8.0-16.0	13-30
	10-60	4.0-13	---	7.4 - 9.0	0-3	0	0.0-8.0	1-12
295:								

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
295:								
Fallon	0-10	5.0-13	---	6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13	---	6.6 - 8.4	0-5	0	0.0-2.0	5-12
301:								
Fernley	0-8	1.0-6.0	---	6.6 - 8.4	0-1	0	0.0-2.0	5-12
	8-60	0.0-5.0	---	6.6 - 8.4	0-1	0	0.0-2.0	1-12
Dia, WET	0-9	23-36	---	6.6 - 7.8	0	0	0.0	0-5
	9-19	14-24	---	6.6 - 7.8	0	0	0.0	0-5
	19-60	0.0-5.0	---	6.6 - 7.8	0	0	0.0	0-5
Kimmerling	0-26	18-25	---	6.6 - 7.3	0	0	0.0	0
	26-38	13-20	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0	---	6.6 - 7.3	0	0	0.0	0
302:								
Fernley	0-8	1.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	8-60	0.0-5.0	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
311:								
Fulstone	0-5	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30	---	---	---	---	---	---	---
	30-48	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
312:								
Fulstone	0-5	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30	---	---	---	---	---	---	---
	30-48	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
313:								
Fulstone	0-5	6.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-18	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30	---	---	---	---	---	---	---
	30-48	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
Fulstone	0-5	6.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-18	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30	---	---	---	---	---	---	---
	30-48	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
314:								
Fulstone	0-5	10-15	---	6.1 - 7.3	0	0	0.0	0
	5-18	35-60	---	6.6 - 8.4	0	0	0.0-2.0	0-2
	18-55	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
314:								
Reno	0-7	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	7-23	30-60	---	6.1 - 7.8	0	0	0.0	0
	23-50	---	---	---	---	---	---	---
315:								
Fulstone	0-5	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30	---	---	---	---	---	---	---
	30-48	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
Stucky	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	20-30	---	6.6 - 7.3	0	0	0.0	0
	20-60	10-20	---	6.6 - 8.4	0-5	0	0.0-2.0	0
321:								
Haybourne	0-11	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	11-32	5.0-15	---	6.6 - 8.4	0	0	0.0-2.0	0
	32-60	5.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
341:								
Holbrook	0-10	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	10-60	5.0-9.0	---	6.1 - 8.4	0	0	0.0-2.0	0-5
343:								
Holbrook	0-7	6.0-13	---	6.1 - 7.3	0	0	0.0	0
	7-60	5.0-9.0	---	6.1 - 8.4	0	0	0.0-2.0	0-5
Hotsprings	0-5	1.0-5.0	---	6.6 - 7.3	0	0	0.0	0
	5-60	1.0-4.0	---	6.6 - 7.3	0	0	0.0	0
344:								
Holbrook	0-8	6.0-13	---	6.1 - 7.3	0	0	0.0	0
	8-60	5.0-9.0	---	6.1 - 8.4	0	0	0.0-2.0	0-5
Shree	0-10	15-25	---	6.1 - 7.8	0	0	0.0	0
	10-26	25-35	---	6.6 - 7.8	0	0	0.0	0
	26-60	8.0-20	---	6.6 - 7.8	0	0	0.0	0
352:								
Hotsprings	0-4	1.0-4.0	---	6.6 - 7.3	0	0	0.0	0
	4-60	1.0-4.0	---	6.6 - 7.3	0	0	0.0	0
353:								
Hotsprings	0-4	1.0-5.0	---	6.6 - 7.3	0	0	0.0	0
	4-60	1.0-4.0	---	6.6 - 7.3	0	0	0.0	0
354:								

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
354:								
Hotsprings	0-4	1.0-5.0	---	6.6 - 7.3	0	0	0.0	0
	4-60	1.0-4.0	---	6.6 - 7.3	0	0	0.0	0
Holbrook	0-8	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	8-60	5.0-10	---	6.1 - 8.4	0-5	0	0.0-2.0	0
361:								
Hough	0-10	5.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	10-21	13-19	---	6.6 - 7.3	0	0	0.0	0
	21-60	2.0-5.0	---	6.6 - 8.4	0-2	0-1	2.0-4.0	1-5
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
371:								
Hyloc	0-5	12-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	29-41	---	6.6 - 7.3	0	0	0.0	0
	18-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Ister	0-17	10-15	---	6.6 - 7.8	0	0	0.0	0
	17-38	20-30	---	6.6 - 7.8	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
372:								
Hyloc	0-5	12-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	29-41	---	6.6 - 7.3	0	0	0.0	0
	18-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Ister	0-17	10-15	---	6.6 - 7.8	0	0	0.0	0
	17-38	20-30	---	6.6 - 7.8	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Fluvaquentic Endoaquolls	0-12	10-20	---	6.1 - 7.3	0	0	0.0	0
	12-35	20-30	---	7.4 - 9.6	0-5	0	0.0-8.0	0-12
	35-60	10-15	---	6.6 - 8.4	0-5	0	0.0-8.0	0-5
391:								
Juva	0-4	4.0-13	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	4-60	4.0-11	---	7.9 - 9.0	1-10	0	0.0-4.0	13-30
392:								
Juva	0-4	4.0-13	---	7.9 - 9.0	0-5	0	0.0-2.0	1-12
	4-60	4.0-11	---	7.9 - 9.0	1-10	0	0.0-4.0	13-30

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
401:								
Lahontan	0-10	20-30	---	9.1 - 11.0	1-5	0	16.0-32.0	30-45
	10-60	25-43	---	9.1 - 11.0	1-5	0	8.0-32.0	13-45
411:								
Lapon	0-2	13-22	---	6.6 - 7.8	0	0	0.0	0-5
	2-10	22-27	---	6.6 - 9.0	0-2	0	0.0-4.0	1-12
	10-20	---	---	---	---	---	---	---
	20-24	---	---	---	---	---	---	---
412:								
Lapon	0-2	13-22	---	6.6 - 7.8	0	0	0.0	0-5
	2-10	22-27	---	6.6 - 9.0	0-2	0	0.0-4.0	1-12
	10-20	---	---	---	---	---	---	---
	20-24	---	---	---	---	---	---	---
Rubble Land	---	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
413:								
Lapon	0-2	13-22	---	6.6 - 7.8	0	0	0.0	0
	2-10	22-27	---	6.6 - 9.0	0-2	0	0.0-4.0	1-12
	10-20	---	---	---	---	---	---	---
	20-24	---	---	---	---	---	---	---
Fulstone	0-5	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	33-44	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	18-30	---	---	---	---	---	---	---
	30-48	4.0-12	---	8.5 - 9.0	3-15	0	0.0-2.0	5-30
Old Camp	0-4	8.0-16	---	6.6 - 7.8	0	0	0.0	0
	4-17	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	17-21	---	---	---	---	---	---	---
441:								
Lunder	0-7	15-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	35-43	---	6.6 - 7.8	0	0	0.0	0
	16-31	---	---	---	---	---	---	---
	31-60	4.0-8.0	---	7.9 - 9.0	1-10	0	2.0-4.0	0
451:								
Obanion	0-11	2.0-10	---	7.4 - 9.0	0-5	0	0.0-4.0	15-35
	11-60	13-26	---	8.5 - 9.0	0-5	0	0.0-2.0	5-35
452:								
Obanion	0-11	7.0-13	---	7.4 - 9.0	0-5	0	0.0-4.0	15-35
	11-60	14-26	---	8.5 - 9.6	0-5	0	0.0-2.0	5-35

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
453:								
Obanion	0-11	8.0-15	---	8.5 - 9.0	0-5	0	8.0-16.0	15-35
	11-60	13-26	---	8.5 - 9.0	0-5	0	0.0-2.0	5-35
Obanion	0-11	2.0-10	---	7.4 - 9.0	0-5	0	0.0-4.0	15-35
	11-60	13-26	---	8.5 - 9.0	0-5	0	0.0-2.0	5-35
462:								
Olac	0-4	11-17	---	6.1 - 7.8	0	0	0.0	0
	4-14	15-20	---	6.1 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
464:								
Olac	0-3	11-17	---	6.1 - 7.8	0	0	0.0	0
	3-10	15-20	---	6.1 - 7.8	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
466:								
Olac	0-4	11-17	---	6.1 - 7.8	0	0	0.0	0
	4-14	15-20	---	6.1 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Ister	0-11	10-15	---	6.6 - 7.8	0	0	0.0	0
	11-38	20-30	---	6.6 - 7.8	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
467:								
Olac	0-3	11-17	---	6.1 - 7.8	0	0	0.0	0
	3-10	15-20	---	6.1 - 7.8	0	0	0.0	0
	10-14	---	---	---	---	---	---	---
Old Camp	0-2	5.0-15	---	6.6 - 7.8	0	0	0.0-2.0	0-5
	2-19	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	19-23	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
471:								
Oppio	0-6	10-20	---	7.4 - 7.8	0	0	0.0	0
	6-31	30-40	---	7.4 - 7.8	0	0	0.0	0
	31-35	---	---	---	---	---	---	---

## Table J2. - Chemical Properties of the Soils - Continued

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
471:								
Nosrac	0-12	25-30	---	6.1 - 7.3	0	0	0.0	0
	12-60	20-30	---	6.1 - 7.3	0	0	0.0	0
	60-64	15-25	---	6.1 - 7.3	0	0	0.0	0
481:								
Orizaba	0-3	5.0-13	---	9.1 - 11.0	1-5	0	8.0-16.0	15-40
	3-60	18-26	---	8.5 - 9.0	1-5	0	4.0-16.0	15-40
482:								
Orizaba	0-3	12-20	---	9.1 - 11.0	1-5	0	16.0-32.0	15-40
	3-60	18-26	---	8.5 - 9.0	1-5	0	4.0-16.0	15-40
483:								
Orizaba	0-3	14-19	---	9.1 - 9.6	1-5	0	4.0-8.0	15-40
	3-60	18-26	---	8.5 - 9.6	1-5	0	4.0-16.0	15-40
484:								
Orizaba	0-3	20-27	---	9.1 - 11.0	1-5	0	8.0-16.0	15-40
	3-60	18-26	---	8.5 - 9.0	1-5	0	4.0-16.0	15-40
486:								
Orizaba	0-3	12-20	---	9.1 - 11.0	1-5	0	16.0-32.0	15-40
	3-60	18-26	---	8.5 - 9.0	1-5	0	4.0-16.0	15-40
Delp	0-5	1.0-7.0	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
	5-19	4.0-12	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
	19-60	3.0-7.0	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
491:								
Otomo	0-4	4.0-14	---	7.9 - 9.0	0-3	0	0.0-2.0	5-12
	4-10	4.0-14	---	8.5 - 9.0	1-5	0	0.0-4.0	5-30
	10-23	---	---	---	---	---	---	---
	23-60	4.0-8.0	---	8.5 - 9.6	1-5	0	0.0-4.0	5-30
501:								
Parran	0-3	19-29	---	8.5 - 9.0	1-5	0-1	32.0-99.0	45-99
	3-40	25-40	---	8.5 - 9.0	1-5	1-3	32.0-99.0	45-99
	40-60	25-39	---	8.5 - 9.0	1-5	0-3	16.0-99.0	13-45
511:								
Patna	0-5	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
512:								
Patna	0-5	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
512:								
514:								
Patna	0-8	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	8-15	7.0-14	---	6.6 - 7.8	0	0	0.0	0
	15-43	0.0-5.0	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	43-60	14-22	---	7.9 - 9.0	0-1	0	0.0-2.0	0-5
516:								
Patna	0-5	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
517:								
Patna	0-5	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
Hough	0-10	5.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	10-21	13-19	---	6.6 - 7.3	0	0	0.0	0
	21-60	2.0-5.0	---	6.6 - 8.4	0-2	0-1	2.0-4.0	1-5
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
518:								
Patna	0-3	4.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	3-30	7.0-14	---	6.6 - 7.8	0	0	0.0	0
	30-60	0.0-5.0	---	7.4 - 8.4	0-1	0	0.0-2.0	0-5
519:								
Patna	0-7	5.0-10	---	6.6 - 7.8	0	0	0.0	0
	7-34	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	34-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
	60-64	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0-2
521:								
Pizene	0-6	5.0-10	---	7.9 - 9.6	0	0	0.0-2.0	1-12
	6-21	15-20	---	8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10	---	7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
522:								
Pizene	0-6	5.0-10	---	7.9 - 9.6	0	0	0.0-2.0	1-12
	6-21	15-20	---	8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10	---	7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
Orizaba	0-3	20-27	---	9.1 - 11.0	1-5	0	16.0-32.0	15-40
	3-60	18-26	---	8.5 - 9.0	1-5	0	4.0-16.0	15-40



**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
523:								
Pizene	0-6	10-20	---	7.9 - 9.6	0-1	0	0.0-2.0	1-12
	6-21	15-20	---	8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10	---	7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
524:								
Pizene	0-6	3.0-8.0	---	7.9 - 9.6	0	0	0.0-2.0	1-5
	6-21	15-20	---	8.5 - 9.6	1-5	0	2.0-8.0	13-30
	21-60	3.0-10	---	7.9 - 9.0	5-15	0-1	0.0-2.0	1-12
531:								
Perazzo	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-18	15-25	---	6.6 - 7.8	0-2	0	0.0	0
	18-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
532:								
Perazzo	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-13	15-25	---	6.6 - 7.8	0-2	0	0.0	0
	13-21	1.0-8.0	---	6.6 - 7.8	1-5	0	0.0	0
	21-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0-2.0	1-12
534:								
Perazzo	0-4	10-15	---	6.6 - 7.8	0	0	0.0	0
	4-18	15-25	---	6.6 - 7.8	0-2	0	0.0	0
	18-60	0.0-3.0	---	7.9 - 9.6	1-5	0	0.0	1-12
535:								
Perazzo	0-4	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	4-18	14-22	---	6.6 - 7.8	0	0	0.0	0
	18-60	0.0-4.0	---	7.9 - 9.0	1-3	0	0.0-2.0	1-12
541:								
Uripnes	0-9	4.0-9.0	---	6.6 - 8.4	0	0	0.0-2.0	1-5
	9-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Chill	0-3	5.0-11	---	6.6 - 7.8	0	0	0.0	0
	3-7	19-27	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
551:								
Rawe	0-1	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12
552:								

# **Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
552:								
Rawe	0-1	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12
Rawe	0-1	0.0-7.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	1-10	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12
553:								
Rawe	0-1	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	1-10	30-40	---	6.6 - 8.4	1-5	0	0.0-2.0	0-5
	10-60	4.0-7.0	---	7.9 - 9.6	5-10	0	0.0-4.0	1-12
Malpais	0-3	3.0-10	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	3-25	6.0-12	---	6.6 - 8.4	0-1	0	0.0-4.0	0-12
	25-60	6.0-12	---	7.9 - 9.0	0-5	0	0.0-4.0	5-30
561:								
Rebel	0-14	10-20	---	6.6 - 7.8	0-1	0	0.0	0
	14-60	8.0-20	---	7.4 - 9.0	1-10	0	0.0-4.0	1-12
Haybourne	0-11	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	11-32	5.0-15	---	6.6 - 8.4	0	0	0.0-2.0	0
	32-60	5.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
571:								
Reno	0-5	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-27	26-44	---	6.1 - 7.8	0	0	0.0	0
	27-41	---	---	---	---	---	---	---
	41-60	2.0-7.0	---	7.4 - 8.4	0-5	0	0.0-4.0	0
572:								
Reno	0-5	6.0-15	---	6.1 - 7.3	0	0	0.0	0
	5-27	26-46	---	6.1 - 7.8	0	0	0.0	0
	27-41	---	---	---	---	---	---	---
	41-60	2.0-7.0	---	7.4 - 8.4	5-15	0	0.0-4.0	5-20
581:								
Risue	0-1	10-15	---	6.6 - 7.8	0	0	0.0	0
	1-16	30-40	---	6.6 - 8.4	0-5	0	0.0-2.0	0-5
	16-60	---	---	---	---	---	---	---
582:								
Risue	0-1	10-15	---	6.6 - 7.8	0	0	0.0	0
	1-16	30-40	---	6.6 - 8.4	0-5	0	0.0-2.0	0-5
	16-60	---	---	---	---	---	---	---
591:								

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
591:								
Rose Creek	0-18	10-15	---	7.9 - 8.4	0-3	0	2.0-4.0	1-12
	18-60	5.0-15	---	7.4 - 8.4	0-5	0	2.0-4.0	1-12
Fallon	0-10	5.0-13	---	6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13	---	6.6 - 8.4	0-5	0	0.0-2.0	5-12
601:								
Rusty	0-9	2.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	9-22	14-21	---	8.5 - 9.0	0-1	0	4.0-8.0	13-45
	22-60	3.0-7.0	---	7.4 - 9.0	0-2	0	4.0-8.0	13-45
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
603:								
Rusty	0-9	2.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	9-22	14-21	---	8.5 - 9.0	0-1	0	4.0-8.0	13-45
	22-60	3.0-7.0	---	7.4 - 9.0	0-2	0	4.0-8.0	13-45
Isolde	0-7	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	7-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
604:								
Rusty	0-9	2.0-6.0	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	9-22	14-21	---	8.5 - 9.0	0-1	0	4.0-8.0	13-45
	22-60	3.0-7.0	---	7.4 - 9.0	0-2	0	4.0-8.0	13-45
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
611:								
Sagouspe	0-8	5.0-10	---	6.6 - 8.4	1-5	0	0.0-4.0	0
	8-60	1.0-5.0	---	7.9 - 9.6	1-10	0-2	0.0-4.0	0-5
612:								
Sagouspe	0-8	4.0-10	---	7.9 - 9.0	0-2	0	8.0-16.0	5-13
	8-60	1.0-8.0	---	7.4 - 8.4	0-1	0	0.0-4.0	1-12
Obanion	0-11	8.0-15	---	8.5 - 9.0	0-5	0	8.0-16.0	15-35
	11-60	13-26	---	8.5 - 9.0	0-5	0	0.0-2.0	5-35
613:								
Sagouspe	0-8	8.0-16	---	6.6 - 9.0	0-2	0	0.0-2.0	0-5
	8-60	0.0-4.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
613:								
Dithod	0-11	21-34	---	7.4 - 8.4	0	0	0.0-4.0	5-12
	11-20	15-22	---	7.4 - 8.4	0	0	0.0-2.0	1-12
	20-60	14-22	---	7.4 - 8.4	0-1	0	0.0-2.0	1-12
Kimmerling	0-26	18-25	---	6.6 - 7.3	0	0	0.0	0
	26-38	13-20	---	6.1 - 7.3	0	0	0.0	0
	38-60	3.0-7.0	---	6.6 - 7.3	0	0	0.0	0
621:								
Saralegui	0-5	1.0-4.0	---	6.1 - 7.3	0	0	0.0	0
	5-39	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	39-60	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
Obanion	0-11	8.0-15	---	8.5 - 9.0	0-5	0	8.0-16.0	15-35
	11-60	13-26	---	8.5 - 9.0	0-5	0	0.0-2.0	5-35
623:								
Saralegui	0-5	1.0-4.0	---	6.1 - 7.3	0	0	0.0	0
	5-39	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	39-60	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
625:								
Saralegui	0-5	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	5-32	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	32-60	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
626:								
Saralegui	0-5	1.0-4.0	---	6.1 - 7.3	0	0	0.0	0
	5-32	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	32-60	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
Saralegui	0-5	1.0-4.0	---	6.1 - 7.3	0	0	0.0	0
	5-32	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	32-60	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
627:								
Saralegui Variant	0-4	2.0-6.0	---	7.4 - 8.4	0	0	0.0-2.0	0-5
	4-20	7.0-13	---	7.9 - 9.0	0	0	0.0-4.0	1-12
	20-60	7.0-14	---	8.5 - 9.0	0-2	0	0.0-4.0	13-30
Obanion	0-11	8.0-15	---	8.5 - 9.0	0-5	0	8.0-16.0	15-35
	11-60	13-26	---	8.5 - 9.0	0-5	0	0.0-2.0	5-35
631:								
Singatse	0-6	4.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
632:								
Singatse	0-6	4.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
633:								
Singatse	0-6	5.0-12	---	7.9 - 9.0	1-10	0	0.0-2.0	0-5
	6-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Theon	0-2	6.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15	---	---	---	---	---	---	---
641:								
Tocan	0-6	6.0-11	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	6-15	12-18	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	15-60	4.0-7.0	---	7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
642:								
Tocan	0-6	6.0-11	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	6-15	12-18	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	15-60	4.0-7.0	---	7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
643:								
Tocan	0-6	6.0-11	---	6.6 - 8.4	0	0	0.0-2.0	0-12
	6-15	12-18	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	15-60	4.0-7.0	---	7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
644:								
Tocan	0-8	6.0-11	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	8-17	12-18	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	17-60	4.0-7.0	---	7.9 - 9.0	0-5	0-1	0.0-4.0	1-12
Yerington	0-8	1.0-5.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
651:								
Theon	0-3	6.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	3-12	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	12-16	---	---	---	---	---	---	---
652:								
Theon	0-2	6.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
652:								
Theon	0-2	7.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
Olac	0-4	11-17	---	6.1 - 7.8	0	0	0.0	0
	4-12	15-20	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
653:								
Theon	0-2	6.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	11-15	---	---	---	---	---	---	---
Lapon	0-6	13-22	---	6.6 - 7.8	0	0	0.0	0-5
	6-14	22-27	---	6.6 - 9.0	0-2	0	0.0-4.0	1-12
	14-40	---	---	---	---	---	---	---
	40-44	---	---	---	---	---	---	---
Olac	0-4	11-17	---	6.1 - 7.8	0	0	0.0	0
	4-12	15-20	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
654:								
Theon	0-2	7.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	2-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
Old Camp	0-4	8.0-16	---	6.6 - 7.8	0	0	0.0	0
	4-14	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
655:								
Theon	0-10	0.0-4.0	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	10-14	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	14-18	---	---	---	---	---	---	---
Yerington	0-8	2.0-6.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
657:								
Theon	0-3	7.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	3-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
657:								
Theon	0-3	7.0-13	---	6.6 - 8.4	0-1	0	0.0-2.0	0-12
	3-11	15-22	---	6.6 - 9.0	0-1	0	0.0-2.0	0-12
	11-15	---	---	---	---	---	---	---
661:								
Isolde	0-7	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	7-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
662:								
Isolde	0-7	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	7-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Patna	0-5	2.0-8.0	---	6.6 - 7.8	0	0	0.0	0
	5-15	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	15-60	0.0-3.0	---	7.4 - 8.4	1-5	0	0.0-2.0	0
663:								
Isolde	0-6	1.0-5.0	---	6.6 - 8.4	0-1	0	0.0	0-5
	6-60	1.0-5.0	---	6.6 - 8.4	0-3	0-1	0.0-2.0	0-5
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
671:								
Toulon	0-5	5.0-10	---	7.9 - 9.0	0-5	0-2	2.0-4.0	0-12
	5-13	5.0-10	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
	13-60	0.0-3.0	---	7.9 - 9.0	1-5	0-2	2.0-4.0	0-12
681:								
Yerington Variant	0-4	13-20	---	7.9 - 9.0	1-5	0	8.0-16.0	30-45
	4-60	14-22	---	7.9 - 9.0	0-1	0-1	4.0-16.0	13-45
691:								
Ultra	0-2	3.0-10	---	6.6 - 9.0	0	0	0.0-4.0	13-45
	2-11	25-36	---	6.6 - 9.0	0-1	0	8.0-16.0	13-60
	11-60	25-36	---	6.6 - 9.0	0-2	0-1	8.0-16.0	13-45
701:								
Veta	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	5.0-13	---	6.6 - 7.8	0	0	0.0	0
	20-60	1.0-12	---	6.6 - 8.4	1-3	0	0.0-2.0	0-5
702:								
Veta	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-18	4.0-12	---	6.6 - 7.8	0	0	0.0	0
	18-60	1.0-12	---	6.6 - 8.4	0-2	0	0.0-2.0	0-5

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
704:								
Veta	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-18	5.0-13	---	6.6 - 7.8	0	0	0.0	0
	18-60	1.0-12	---	6.6 - 8.4	1-3	0	0.0-2.0	0-5
705:								
Veta	0-3	5.0-15	---	6.6 - 8.4	0-1	0	0.0-2.0	0
	3-18	4.0-10	---	6.6 - 8.4	0-1	0	0.0-2.0	0
	18-60	1.0-12	---	6.6 - 8.4	1-5	0	0.0-2.0	0
711:								
Vylach	0-5	1.0-5.0	---	6.6 - 9.0	0	0	0.0-2.0	0-5
	5-12	14-26	---	6.6 - 9.0	0	0	0.0-2.0	1-12
	12-27	---	---	---	---	---	---	---
	27-60	---	---	---	---	---	---	---
Weena	0-7	13-20	---	6.6 - 9.0	0-2	0	0.0-4.0	1-12
	7-17	---	---	---	---	---	---	---
	17-21	---	---	---	---	---	---	---
721:								
Wabuska	0-9	1.0-5.0	---	8.5 - 9.0	0-1	0	2.0-4.0	30-80
	9-60	7.0-14	---	7.9 - 9.0	0-2	0	2.0-8.0	5-50
Fallon	0-10	5.0-13	---	6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13	---	6.6 - 8.4	0-5	0	0.0-2.0	5-12
722:								
Wabuska	0-9	11-16	---	8.5 - 9.0	1-5	0	2.0-4.0	30-80
	9-60	7.0-14	---	7.9 - 9.0	0-5	0	2.0-8.0	5-50
Fallon	0-10	5.0-13	---	6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13	---	6.6 - 8.4	0-5	0	0.0-2.0	5-12
723:								
Wabuska	0-9	11-22	---	8.5 - 9.6	1-5	0	8.0-16.0	31-90
	9-60	8.0-15	---	7.9 - 9.6	0-5	0	2.0-8.0	13-45
Fallon	0-10	5.0-13	---	6.6 - 9.0	0-5	0	0.0-4.0	5-12
	10-60	4.0-13	---	6.6 - 8.4	0-5	0	0.0-2.0	5-12
724:								
Wabuska	0-9	11-22	---	8.5 - 9.6	1-5	0	16.0-32.0	31-90
	9-60	8.0-15	---	7.9 - 9.6	0-5	0	2.0-8.0	13-45
725:								
Wabuska	0-9	11-22	---	8.5 - 9.6	1-5	0	8.0-16.0	31-90
	9-60	8.0-15	---	7.9 - 9.6	0-5	0	2.0-8.0	13-45



**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
725:								
Delp	0-60	1.0-7.0	---	7.9 - 9.0	1-5	0	0.0-2.0	5-12
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	9.1 - 11.0	1-10	1-10	16.0-32.0	13-45
731:								
Hunewill	0-3	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	3-13	19-27	---	6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0	---	6.6 - 7.3	0	0	0.0	0
732:								
Hunewill	0-3	9.0-18	---	6.6 - 7.3	0	0	0.0	0
	3-13	19-27	---	6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0	---	6.6 - 7.3	0	0	0.0	0
733:								
Hunewill	0-3	9.0-18	---	6.6 - 7.3	0	0	0.0	0
	3-13	19-27	---	6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0	---	6.6 - 7.3	0	0	0.0	0
734:								
Hunewill	0-3	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	3-13	19-27	---	6.6 - 7.8	0	0	0.0	0
	13-18	4.0-12	---	6.6 - 7.8	0	0	0.0	0
	18-60	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
Stucky	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	20-30	---	6.6 - 7.3	0	0	0.0	0
	20-60	10-20	---	6.6 - 8.4	0-5	0	0.0-2.0	0
735:								
Hunewill	0-3	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	3-13	19-27	---	6.6 - 7.8	0	0	0.0	0
	13-18	4.0-12	---	6.6 - 7.8	0	0	0.0	0
	18-60	0.0-2.0	---	6.6 - 7.8	0	0	0.0	0
Stucky	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	20-30	---	6.6 - 7.3	0	0	0.0	0
	20-60	10-20	---	6.6 - 8.4	0-5	0	0.0-2.0	0
741:								
Wedertz	0-9	8.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-28	14-22	---	6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14	---	6.6 - 9.0	1-5	0	0.0-2.0	5-12

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
741:								
Wellington	0-4	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	4-15	14-27	---	6.1 - 7.3	0	0	0.0	0
	15-26	---	---	---	---	---	---	---
	26-60	4.0-12	---	7.9 - 9.0	1-5	0	0.0-4.0	5-30
Saralegui	0-5	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	5-32	8.0-12	---	6.6 - 7.8	0	0	0.0-2.0	0
	32-60	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
742:								
Wedertz	0-9	8.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-28	14-22	---	6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14	---	6.6 - 9.0	1-5	0	0.0-2.0	5-12
Wellington	0-4	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	4-15	14-27	---	6.1 - 7.3	0	0	0.0	0
	15-26	---	---	---	---	---	---	---
	26-60	4.0-12	---	7.9 - 9.0	1-5	0	0.0-4.0	5-30
743:								
Wedertz	0-9	8.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-28	14-22	---	6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14	---	6.6 - 9.0	1-5	0	0.0-2.0	5-12
Wellington	0-4	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	4-15	14-27	---	6.1 - 7.3	0	0	0.0	0
	15-26	---	---	---	---	---	---	---
	26-60	4.0-12	---	7.9 - 9.0	1-5	0	0.0-4.0	5-30
744:								
Wedertz	0-9	8.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-28	14-22	---	6.1 - 7.3	0	0	0.0	0
	28-60	7.0-14	---	6.6 - 9.0	1-5	0	0.0-2.0	5-12
Saralegui	0-4	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	4-36	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	36-61	1.0-4.0	---	6.6 - 9.0	0	0	0.0-2.0	0
Wellington	0-4	9.0-17	---	6.1 - 7.3	0	0	0.0	0
	4-15	14-27	---	6.1 - 7.3	0	0	0.0	0
	15-26	---	---	---	---	---	---	---
	26-60	4.0-12	---	7.9 - 9.0	1-5	0	0.0-4.0	5-30

746:

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>746:</b>								
Wellsed	0-6	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
	6-15	15-30	---	7.4 - 9.0	0	0	0.0-4.0	0-5
	15-35	2.0-8.0	---	8.5 - 9.6	0-1	0	0.0-4.0	1-12
	35-50	---	---	---	---	---	---	---
	50-60	3.0-8.0	---	8.5 - 9.6	0-5	0	0.0-4.0	5-30
Wedlar	0-6	2.0-8.0	---	6.1 - 7.3	0	0	0.0	0
	6-14	10-15	---	6.6 - 7.8	0	0	0.0	0
	14-37	21-29	---	6.6 - 7.8	0	0	0.0	0
	37-60	3.0-15	---	6.6 - 8.4	0-5	0	0.0-2.0	0-5
<b>751:</b>								
Malpais	0-3	3.0-10	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	3-25	6.0-12	---	6.6 - 8.4	0-1	0	0.0-4.0	0-12
	25-60	6.0-12	---	7.9 - 9.0	0-5	0	0.0-4.0	5-30
<b>753:</b>								
Malpais	0-10	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	10-25	7.0-14	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	25-60	7.0-14	---	7.9 - 9.0	1-5	0	0.0-4.0	1-12
<b>754:</b>								
Malpais	0-3	3.0-10	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	3-15	6.0-12	---	6.6 - 8.4	0-1	0	0.0-4.0	0-12
	15-60	6.0-12	---	7.9 - 9.0	0-5	0	0.0-4.0	5-30
Malpais	0-3	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	3-15	7.0-14	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	15-60	7.0-14	---	7.9 - 9.0	1-5	0	0.0-4.0	1-12
<b>755:</b>								
Malpais	0-3	3.0-10	---	6.6 - 8.4	0	0	0.0-4.0	0-12
	3-25	6.0-12	---	6.6 - 8.4	0-1	0	0.0-4.0	0-12
	25-60	6.0-12	---	7.9 - 9.0	0-5	0	0.0-4.0	5-30
Yerington	0-8	1.0-5.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
<b>761:</b>								
Yerington	0-8	1.0-5.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
<b>762:</b>								
Yerington	0-8	1.0-5.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
<b>763:</b>								

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
763:								
Yerington	0-8	1.0-5.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
764:								
Yerington	0-8	1.0-5.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
765:								
Yerington	0-8	2.0-6.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
766:								
Yerington	0-8	2.0-6.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
767:								
Yerington	0-8	2.0-6.0	---	7.4 - 8.4	0	0	0.0-2.0	1-5
	8-60	1.0-5.0	---	8.5 - 9.0	1-5	0	0.0-2.0	5-12
771:								
Biddleman	0-3	5.0-10	---	7.9 - 9.0	1-5	0	2.0-4.0	1-12
	3-9	15-25	---	7.9 - 9.0	1-5	0-1	0.0-8.0	13-30
	9-60	1.0-8.0	---	7.9 - 9.0	5-10	0-1	0.0-8.0	1-12
Biddleman	0-3	6.0-12	---	7.9 - 9.0	0-1	0	2.0-4.0	13-30
	3-9	14-22	---	7.9 - 9.0	1-5	0	0.0-8.0	13-30
	9-60	1.0-8.0	---	7.9 - 9.0	1-5	0	0.0-4.0	13-30
781:								
Celeton	0-2	5.0-10	---	7.4 - 9.0	1-5	0	0.0-4.0	0-2
	2-9	5.0-10	---	7.4 - 9.0	1-5	0	0.0-2.0	0-2
	9-60	---	---	---	---	---	---	---
782:								
Weena	0-7	13-20	---	6.6 - 9.0	0-2	0	0.0-4.0	1-12
	7-17	---	---	---	---	---	---	---
	17-21	---	---	---	---	---	---	---
Malpais	0-10	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	10-25	7.0-14	---	6.6 - 8.4	0-1	0	0.0-2.0	0-5
	25-60	7.0-14	---	7.9 - 9.0	1-5	0	0.0-4.0	1-12
791:								
Flex	0-4	9.0-15	---	6.1 - 7.3	0	0	0.0	0
	4-12	14-21	---	6.1 - 7.3	0	0	0.0	0
	12-16	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
791:								
Duco	0-4	10-20	---	6.1 - 7.8	0	0	0.0	0
	4-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
792:								
Osobb	0-4	10-15	---	7.4 - 9.0	1-5	0	0.0-2.0	1-5
	4-11	10-15	---	7.9 - 9.6	5-10	0	2.0-4.0	1-5
	11-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Pirouette	0-4	10-15	---	7.9 - 9.0	1-5	0	0.0-2.0	1-12
	4-11	20-30	---	7.9 - 9.0	0-5	0-1	2.0-8.0	13-30
	11-12	---	---	---	---	---	---	---
	12-16	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
793:								
Pirouette	0-4	7.0-14	---	7.9 - 9.0	0-1	0	0.0-2.0	13-30
	4-14	20-26	---	7.9 - 9.0	0-1	0	2.0-8.0	13-45
	14-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---
802:								
Loomer	0-4	13-22	---	6.6 - 7.8	0	0	0.0	0
	4-15	26-39	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Zephan	0-2	10-15	---	5.6 - 7.3	0	0	0.0	0
	2-37	30-40	---	5.6 - 7.3	0	0	0.0	0
	37-41	---	---	---	---	---	---	---
	41-45	---	---	---	---	---	---	---
Olac	0-4	11-17	---	6.1 - 7.8	0	0	0.0	0
	4-14	15-20	---	6.1 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
803:								
Loomer	0-4	13-22	---	6.6 - 7.8	0	0	0.0	0
	4-15	26-39	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Loomer	0-4	13-22	---	6.6 - 7.8	0	0	0.0	0
	4-15	26-39	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
811:								

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
811:								
Trid	0-4	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	4-23	15-30	---	6.6 - 7.3	0	0	0.0	0
	23-48	---	---	---	---	---	---	---
Trid	0-4	4.0-10	---	6.1 - 7.3	0	0	0.0	0
	4-23	15-30	---	6.6 - 7.3	0	0	0.0	0
	23-48	---	---	---	---	---	---	---
Drit	0-9	7.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-25	7.0-15	---	6.1 - 7.3	0	0	0.0	0
	25-60	6.0-15	---	6.1 - 7.3	0	0	0.0	0
812:								
Trid	0-4	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	4-23	15-30	---	6.6 - 7.3	0	0	0.0	0
	23-27	---	---	---	---	---	---	---
Roloc	0-8	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	8-17	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Drit	0-9	7.0-15	---	6.1 - 7.3	0	0	0.0	0
	9-25	7.0-15	---	6.1 - 7.3	0	0	0.0	0
	25-60	6.0-15	---	6.1 - 7.3	0	0	0.0	0
821:								
Badland	---	---	---	---	---	---	---	---
822:								
Dumps	---	---	---	---	---	---	---	---
823:								
Gypsum Land	---	---	---	---	---	---	---	---
824:								
Pits	---	---	---	---	---	---	---	---
825:								
Pits	---	---	---	---	---	---	---	---
826:								
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-32.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-32.0	13-45
827:								
Slickens	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
<b>831:</b>								
Ister	0-17	10-15	---	6.6 - 7.8	0	0	0.0	0
	17-38	20-30	---	6.6 - 7.8	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Hyloc	0-5	12-18	---	6.1 - 7.3	0	0	0.0	0
	5-18	29-41	---	6.6 - 7.3	0	0	0.0	0
	18-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Lunder	0-7	15-25	---	6.6 - 7.8	0	0	0.0	0
	7-16	35-43	---	6.6 - 7.8	0	0	0.0	0
	16-31	---	---	---	---	---	---	---
	31-60	4.0-8.0	---	7.9 - 9.0	1-10	0	2.0-4.0	0
<b>841:</b>								
Bradshaw	0-15	15-20	---	6.6 - 7.3	0	0	0.0	0
	15-43	10-15	---	6.6 - 7.3	0	0	0.0	0
	43-47	---	---	---	---	---	---	---
Hartig	0-14	7.0-17	---	6.1 - 7.3	0	0	0.0	0
	14-60	8.0-16	---	6.6 - 7.3	0	0	0.0	0
	60-64	---	---	---	---	---	---	---
<b>851:</b>								
Tenpin	0-7	9.0-18	---	6.1 - 7.3	0	0	0.0	0
	7-33	29-37	---	6.6 - 7.3	0	0	0.0	0
	33-60	11-19	---	6.6 - 7.3	0	0	0.0	0
Shree	0-10	15-25	---	6.1 - 7.8	0	0	0.0	0
	10-26	25-35	---	6.6 - 7.8	0	0	0.0	0
	26-60	8.0-20	---	6.6 - 7.8	0	0	0.0	0
<b>861:</b>								
Shree	0-10	15-25	---	6.1 - 7.8	0	0	0.0	0
	10-26	25-35	---	6.6 - 7.8	0	0	0.0	0
	26-60	8.0-20	---	6.6 - 7.8	0	0	0.0	0
<b>871:</b>								
Nall	0-8	3.0-11	---	6.1 - 7.3	0	0	0.0	0
	8-20	---	---	---	---	---	---	---
	20-24	---	---	---	---	---	---	---
Luppino	0-7	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	7-12	15-25	---	5.6 - 7.3	0	0	0.0	0
	12-23	---	---	---	---	---	---	---
	23-27	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
871:								
Hotsprings	0-4	1.0-4.0	---	6.6 - 7.3	0	0	0.0	0
	4-60	1.0-4.0	---	6.6 - 7.3	0	0	0.0	0
Fluvaquentic Endoaquolls	0-12	10-20	---	6.1 - 7.3	0	0	0.0	0
	12-35	20-30	---	7.4 - 9.6	0-5	0	0.0-8.0	0-12
	35-60	10-15	---	6.6 - 8.4	0-5	0	0.0-8.0	0-5
881:								
Ravenell Variant	0-7	13-18	---	6.6 - 7.8	0	0	0.0	0
	7-15	25-36	---	6.6 - 7.8	0	0	0.0	0
	15-19	---	---	---	---	---	---	---
Devils Variant	0-10	9.0-19	---	6.1 - 7.3	0	0	0.0	0
	10-30	19-27	---	6.1 - 7.3	0	0	0.0	0
	30-34	---	---	---	---	---	---	---
891:								
Berit	0-2	5.0-9.0	---	6.1 - 7.3	0	0	0.0	0
	2-5	21-27	---	6.1 - 7.3	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
Shoken	0-5	2.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	5-26	---	---	---	---	---	---	---
	26-31	---	---	---	---	---	---	---
892:								
Berit	0-2	5.0-9.0	---	6.1 - 7.3	0	0	0.0	0
	2-5	21-27	---	6.1 - 7.3	0	0	0.0	0
	5-9	---	---	---	---	---	---	---
Shoken	0-5	2.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	5-26	---	---	---	---	---	---	---
	26-31	---	---	---	---	---	---	---
893:								
Berit	0-3	5.0-9.0	---	6.1 - 7.3	0	0	0.0	0
	3-7	21-27	---	6.1 - 7.3	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Saralegui	0-5	1.0-4.0	---	5.6 - 6.5	0	0	0.0	0
	5-32	6.0-15	---	6.6 - 7.8	0	0	0.0	0
	32-60	6.0-10	---	6.6 - 7.8	0	0	0.0	0
911:								
Fulstone Variant	0-5	12-21	---	6.1 - 7.3	0	0	0.0	0
	5-25	26-37	---	6.1 - 7.3	0	0	0.0	0
	25-29	---	---	---	---	---	---	---



**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
911:								
Devis	0-7	13-18	---	6.1 - 7.3	0	0	0.0	0
	7-22	20-27	---	6.1 - 7.3	0	0	0.0	0
	22-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Glean	0-24	10-20	---	6.1 - 7.3	0	0	0.0	0
	24-51	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	51-55	---	---	---	---	---	---	---
921:								
Glean	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
Devis	0-7	13-18	---	6.1 - 7.3	0	0	0.0	0
	7-22	20-27	---	6.1 - 7.3	0	0	0.0	0
	22-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
922:								
Glean	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
Devis	0-7	13-18	---	6.1 - 7.3	0	0	0.0	0
	7-22	20-27	---	6.1 - 7.3	0	0	0.0	0
	22-30	---	---	---	---	---	---	---
	30-34	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
923:								
Glean	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-60	5.0-15	---	6.1 - 7.3	0	0	0.0	0
Ticino	0-12	6.0-17	---	6.1 - 7.3	0	0	0.0	0
	12-28	14-27	---	6.1 - 7.3	0	0	0.0	0
	28-32	---	---	---	---	---	---	---
Hartig	0-14	7.0-17	---	6.1 - 7.3	0	0	0.0	0
	14-60	8.0-16	---	6.6 - 7.3	0	0	0.0	0
	60-64	---	---	---	---	---	---	---
932:								
Shoken	0-5	2.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	5-25	---	---	---	---	---	---	---
	25-29	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
951:								
Koontz	0-2	5.0-20	---	6.1 - 7.8	0	0	0.0	0
	2-17	15-30	---	6.1 - 7.8	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Haar	0-6	9.0-17	---	6.6 - 8.4	0	0	0.0	0-5
	6-10	---	---	---	---	---	---	---
Ravenell	0-3	13-18	---	6.6 - 7.8	0	0	0.0	0
	3-7	26-34	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
952:								
Koontz, very stony	0-2	10-20	---	6.6 - 7.8	0	0	0.0	0
	2-5	10-25	---	6.6 - 7.8	0	0	0.0	0
	5-12	15-30	---	6.1 - 7.8	0	0	0.0	0
	12-16	---	---	---	---	---	---	---
Tristan, VERY STONY	0-7	10-20	---	6.6 - 7.8	0	0	0.0	0
	7-28	15-35	---	6.6 - 7.8	0	0	0.0	0
	28-49	15-20	---	6.6 - 7.8	0	0	0.0	0
	49-53	---	---	---	---	---	---	---
Devada, VERY STONY	0-4	20-30	---	6.1 - 7.8	0	0	0.0	0
	4-5	20-30	---	6.1 - 7.3	0	0	0.0	0
	5-13	32-48	---	6.1 - 7.3	0	0	0.0	0
	13-17	---	---	---	---	---	---	---
961:								
Luppino	0-7	5.0-15	---	5.6 - 7.3	0	0	0.0	0
	7-12	15-25	---	5.6 - 7.3	0	0	0.0	0
	12-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
971:								
Minneha	0-5	5.0-20	---	6.1 - 7.8	0	0	0.0	0
	5-18	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Drit	0-9	7.0-15	---	6.6 - 7.3	0	0	0.0	0
	9-60	7.0-15	---	6.6 - 7.3	0	0	0.0	0
Rock Outcrop	---	---	---	---	---	---	---	---
972:								
Berit	0-3	15-23	---	6.1 - 7.3	0	0	0.0	0
	3-7	19-27	---	6.1 - 7.3	0	0	0.0	0
	7-11	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
972:								
Minneha	0-5	5.0-20	---	6.1 - 7.8	0	0	0.0	0
	5-18	5.0-15	---	6.1 - 7.8	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
Wile	0-7	10-17	---	6.1 - 7.3	0	0	0.0	0
	7-18	26-34	---	6.1 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
981:								
Ravenell	0-3	13-18	---	6.6 - 7.8	0	0	0.0	0
	3-7	26-34	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
982:								
Ravenell	0-3	13-18	---	6.6 - 7.8	0	0	0.0	0
	3-7	26-34	---	6.6 - 7.8	0	0	0.0	0
	7-11	---	---	---	---	---	---	---
Haar	0-6	9.0-17	---	6.6 - 8.4	0	0	0.0	0-5
	6-10	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
991:								
Roloc	0-9	5.0-10	---	6.1 - 7.3	0	0	0.0	0
	9-17	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	17-21	---	---	---	---	---	---	---
Drit	0-20	7.0-15	---	6.6 - 7.3	0	0	0.0	0
	20-60	7.0-15	---	6.6 - 7.3	0	0	0.0	0
1001:								
Rowel	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-14	29-41	---	6.6 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
1002:								
Rowel	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-14	29-41	---	6.6 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1011:								
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1011:								
1012:								
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
1013:								
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
1014:								
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
Smedley	0-2	4.0-12	---	6.6 - 8.4	0	0	0.0-2.0	0-5
	2-18	25-34	---	6.6 - 8.4	0-3	0	0.0-2.0	0-5
	18-43	---	---	---	---	---	---	---
	43-60	0.0-8.0	---	7.9 - 9.0	1-10	0	0.0-2.0	0-2
1021:								
Springmeyer	0-10	5.0-20	---	6.1 - 7.3	0	0	0.0	0
	10-34	25-30	---	6.1 - 7.8	0	0	0.0	0
	34-60	15-20	---	6.6 - 8.4	0-1	0	0.0-2.0	0
1031:								
Burnborough	0-10	10-25	---	6.1 - 7.3	0	0	0.0	0
	10-60	15-30	---	6.1 - 7.3	0	0	0.0	0
Glean	0-14	10-20	---	6.1 - 7.3	0	0	0.0	0
	14-60	6.0-15	---	6.1 - 7.3	0	0	0.0	0
1041:								
Whichman	0-15	8.0-12	---	6.6 - 7.8	0	0	0.0	0
	15-33	8.0-15	---	6.6 - 7.8	0	0	0.0	0
	33-56	6.0-9.0	---	6.6 - 7.8	0	0	0.0	0
	56-60	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1041:								
Ister	0-17	10-15	---	6.6 - 7.8	0	0	0.0	0
	17-38	20-30	---	6.6 - 7.8	0	0	0.0	0
	38-42	---	---	---	---	---	---	---
Rock Outcrop	---	---	---	---	---	---	---	---
1051:								
Zyzz	0-2	6.0-11	---	6.6 - 7.3	0	0	0.0	0
	2-6	19-27	---	6.6 - 7.8	0	0	0.0	0
	6-40	---	---	---	---	---	---	---
1072:								
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
1073:								
Hawsley	0-8	1.0-5.0	---	6.6 - 8.4	0	0	0.0	0
	8-60	1.0-5.0	---	7.4 - 9.0	1-5	0	0.0-2.0	2-9
Gamgee	0-4	5.0-9.0	---	7.9 - 9.0	0-1	0	0.0-2.0	13-30
	4-17	18-26	---	7.9 - 9.0	0-1	0	4.0-8.0	13-45
	17-60	7.0-15	---	7.9 - 9.0	1-5	0	4.0-8.0	13-45
1074:								
Hawsley	0-8	4.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	8-50	0.0-5.0	---	7.4 - 9.0	0-1	0	0.0-2.0	0-5
	50-60	13-22	---	9.1 - 11.0	0-2	0	16.0-32.0	13-45
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
1075:								
Hawsley	0-8	4.0-7.0	---	6.6 - 7.3	0	0	0.0	0
	8-50	0.0-5.0	---	7.4 - 9.0	0-1	0	0.0-2.0	0-5
	50-60	13-22	---	9.1 - 11.0	0-2	0	16.0-32.0	13-45
Playas	0-6	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
	6-60	20-40	---	8.5 - 9.0	1-10	1-10	4.0-16.0	13-45
1081:								
Stucky	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	20-30	---	6.6 - 7.3	0	0	0.0	0
	20-60	10-20	---	6.6 - 8.4	0-5	0	0.0-2.0	0
1082:								
Stucky	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	20-30	---	6.6 - 7.3	0	0	0.0	0
	20-60	10-20	---	6.6 - 8.4	0-5	0	0.0-2.0	0

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1082:								
Stucky	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	20-30	---	6.6 - 7.3	0	0	0.0	0
	20-60	10-20	---	6.6 - 8.4	0-5	0	0.0-2.0	0
1083:								
Stucky	0-6	8.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-20	20-30	---	6.6 - 7.3	0	0	0.0	0
	20-60	10-20	---	6.6 - 8.4	0-5	0	0.0-2.0	0
Hunewill	0-3	9.0-18	---	6.6 - 7.3	0	0	0.0	0
	3-13	19-27	---	6.6 - 7.3	0	0	0.0	0
	13-18	4.0-12	---	6.6 - 7.3	0	0	0.0	0
	18-60	0.0-2.0	---	6.6 - 7.3	0	0	0.0	0
Veta	0-6	6.0-15	---	6.6 - 7.3	0	0	0.0	0
	6-18	5.0-13	---	6.6 - 7.8	0	0	0.0	0
	18-60	1.0-12	---	6.6 - 8.4	1-3	0	0.0-2.0	0-5
1091:								
Glean Variant	0-11	2.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	11-31	1.0-3.0	---	6.6 - 7.3	0	0	0.0	0
	31-35	---	---	---	---	---	---	---
Hartig Variant	0-2	4.0-13	---	6.1 - 7.3	0	0	0.0	0
	2-16	2.0-10	---	6.1 - 7.3	0	0	0.0	0
	16-20	---	---	---	---	---	---	---
Rubble Land	---	---	---	---	---	---	---	---
1103:								
Mirkwood	0-7	4.0-12	---	6.6 - 9.0	0	0	0.0-2.0	0-5
	7-14	18-26	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	14-18	---	---	---	---	---	---	---
Nemico	0-6	3.0-7.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	6-18	21-33	---	7.9 - 9.0	0-5	0	4.0-8.0	31-60
	18-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
1110:								
Surgem	0-6	10-15	---	6.6 - 7.8	0	0	0.0	0
	6-22	30-40	---	6.1 - 7.8	0	0	0.0	0
	22-30	---	---	---	---	---	---	---
Olac	0-4	11-17	---	6.1 - 7.8	0	0	0.0	0
	4-14	15-20	---	6.1 - 7.8	0	0	0.0	0
	14-18	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1110:								
Cagle	0-2	20-30	---	6.1 - 7.8	0	0	0.0	0
	2-30	30-45	---	6.1 - 7.8	0	0	0.0	0
	30-34	---	---	---	---	---	---	---
1121:								
Duco	0-4	10-20	---	6.1 - 7.8	0	0	0.0	0
	4-19	20-30	---	6.1 - 7.8	0	0	0.0	0
	19-23	---	---	---	---	---	---	---
Nosrac	0-12	20-25	---	6.1 - 7.3	0	0	0.0	0
	12-45	20-30	---	6.1 - 7.3	0	0	0.0	0
	45-60	15-25	---	6.1 - 7.3	0	0	0.0	0
1131:								
Gamgee	0-4	2.0-7.0	---	7.9 - 9.0	0-1	0	0.0-2.0	1-12
	4-17	18-26	---	7.9 - 9.0	0-2	0	4.0-8.0	20-40
	17-60	13-22	---	7.9 - 9.0	1-5	0	4.0-8.0	20-40
1141:								
Old Camp	0-4	8.0-16	---	6.6 - 7.8	0	0	0.0	0
	4-14	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Mirkwood	0-4	7.0-14	---	6.6 - 7.8	0	0	0.0	0
	4-14	18-26	---	6.6 - 7.8	0-1	0	0.0	0
	14-18	---	---	---	---	---	---	---
Nemico	0-6	3.0-7.0	---	6.6 - 9.0	0-1	0	0.0-2.0	1-12
	6-18	21-33	---	7.9 - 9.0	0-5	0	4.0-8.0	31-60
	18-21	---	---	---	---	---	---	---
	21-25	---	---	---	---	---	---	---
1142:								
Old Camp	0-4	8.0-16	---	6.6 - 7.8	0	0	0.0	0
	4-14	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---
Holbrook Variant	0-9	6.0-11	---	6.6 - 7.3	0	0	0.0	0
	9-35	4.0-8.0	---	6.6 - 7.3	0	0	0.0	0
	35-39	---	---	---	---	---	---	---
1143:								
Old Camp	0-4	5.0-15	---	6.6 - 7.8	0	0	0.0	0
	4-14	17-23	---	6.6 - 9.0	0-5	0	0.0-2.0	0-5
	14-18	---	---	---	---	---	---	---

**Table J2. - Chemical Properties of the Soils - Continued**

Lyon County Area, Nevada

Map Symbol and Soil Name	Depth	Cation Exchange Capacity	Effective Cation Exchange Capacity	Soil Reaction	Calcium Carbon- ate	Gypsum	Salinity	Sodium Adsorp- tion Ratio
	In	meq/100 g	meq/100 g	pH	Pct	Pct	mmhos/cm	
1143:								
Reno Variant	0-11	5.0-10	---	6.6 - 7.3	0	0	0.0	0
	11-18	14-20	---	6.6 - 7.3	0	0	0.0	0
	18-24	---	---	---	---	---	---	---
	24-28	---	---	---	---	---	---	---
Hyloc	0-3	12-18	---	6.1 - 7.3	0	0	0.0	0
	3-18	29-41	---	6.6 - 7.3	0	0	0.0	0
	18-22	---	---	---	---	---	---	---
	22-26	---	---	---	---	---	---	---
1144:								
Jubilee	0-10	8.0-16	---	6.6 - 7.8	0	0	0.0-4.0	0
	10-38	6.0-12	---	6.6 - 7.3	0	0	0.0-2.0	0
	38-60	3.0-7.0	---	6.6 - 7.8	0-1	0	0.0-2.0	0
Dressler	0-18	5.0-15	---	6.1 - 7.3	0	0	0.0	0
	18-60	1.0-5.0	---	6.1 - 7.3	0	0	0.0	0
Kimmerling	0-22	20-30	---	6.6 - 8.4	0	0	0.0-4.0	0-5
	22-42	20-30	---	6.6 - 7.8	0	0	0.0	0
	42-60	8.0-24	---	6.6 - 7.8	0	0	0.0	0
Jubilee	0-5	15-23	---	6.1 - 7.3	0	0	0.0	0
	5-37	6.0-17	---	6.6 - 7.3	0	0	0.0	0
	37-60	4.0-11	---	6.6 - 7.8	0-1	0	0.0	0
1145:								
Water	---	---	---	---	---	---	---	---